


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER Moon 3-29-4-2		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT UNDESIGNATED		
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME		
6. NAME OF OPERATOR HARVEST (US) HOLDINGS, INC				7. OPERATOR PHONE 281 899-5722		
8. ADDRESS OF OPERATOR 1177 Enclave Parkway, Houston, TX, 77077				9. OPERATOR E-MAIL jmckee@harvestnr.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee		11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Todd Moon & Dennis Moon				14. SURFACE OWNER PHONE (if box 12 = 'fee') 435.823.6295		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') RR 3, Box 3622, ,				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	877 FNL 756 FWL	NWNW	29	4.0 S	2.0 W	U
Top of Uppermost Producing Zone	877 FNL 756 FWL	NWNW	29	4.0 S	2.0 W	U
At Total Depth	877 FNL 756 FWL	NWNW	29	4.0 S	2.0 W	U
21. COUNTY DUCESNE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 400		23. NUMBER OF ACRES IN DRILLING UNIT 40		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000		26. PROPOSED DEPTH MD: 6600 TVD: 6600		
27. ELEVATION - GROUND LEVEL 5480		28. BOND NUMBER B004657		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Neil Moon Pond		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Terry Hoffman		TITLE Permitting Agent		PHONE 303 250-0619		
SIGNATURE		DATE 12/29/2008		EMAIL tlhoffman@q.com		
API NUMBER ASSIGNED 43013500050000		APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	600		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	600	24.0			

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Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	6600		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	6600	15.5			

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HARVEST (US) HOLDINGS, INC.

MOON #3-29-4-2

NWNW Section 29-T4S-R2W

Duchesne County, Utah

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

UINTAH 0' – 2,750'
GREEN RIVER 2,750'
TD 6,600'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

Green River Formation (Oil) 2,750' – 6,600'

Fresh water may be encountered in the Uintah Formation, but would not be expected below about 350'.

4. PROPOSED CASING PROGRAM

a. Casing Design:

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface Casing 8-5/8" Hole Size 12-1/4"	0'	600'	24.0	J-55	STC	2,950 psi 9.96 SF	1,370 psi 5.23 SF	244,000 lbf 16.9 SF
Prod. Casing 5-1/2" Hole Size 7-7/8"	0'	6,600'	15.5	J-55	LTC	4,810 psi 2.29 SF	4,040 psi 1.92 SF	217,000 lbf 2.12 SF

Assumptions:

- 1) Surface casing Maximum Allowable Surface Pressure (MASP) = Fracture gradient - Gas gradient
- 2) Production casing MASP (production mode) = Pore pressure - gas gradient
- 3) All collapse calculations assume fully evacuated casing w/gas gradient
- 4) All tension calculations assume air weight

Fracture gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at production casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

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All casing strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.

b. Cementing Design:

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	600'	Class G w/ 2% CaCl	276	30%	15.8	1.17
			322			
Prod. casing Lead	4,600'	Prem Lite II w/ 10% gel + 3% KCl	318	30%	11.0	3.26
			1036			
Prod. casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

*Actual volume pumped will be 15% over the caliper log.

-Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours.

-Compressive strength of tail cement: 2500 psi @ 24 hours

Waiting on Cement (WOC): A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The 8-5/8" surface casing shall, in all cases, be cemented back to surface. In the event that during the primary surface cementing operation, the cement does not circulate to surface, or if the cement level should fall back more than 8' from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200' above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable pre-flush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

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5. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS

<i>Depth</i>	<i>Type</i>	<i>Weight</i>	<i>Vis</i>	<i>Water Loss</i>
0-3200'	*Water	8.33	27	N/C
3200-TD	Water	8.4	27	N/C

*or an air/mist system

From surface to ± 3200 feet will be drilled with either fresh water or an air/mist system, depending on the drilling contractor's capabilities. From about 3200 feet, or in the case of the air/mist system when hole conditions dictate, to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 ppg. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite, and if pressure conditions warrant, with barite.

6. AUXILIARY SAFETY EQUIPMENT TO BE USED

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

7. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

The Company's minimum specifications for pressure control equipment for a standard Green River well are as follows:

A 2000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and either an annular preventer or a rotating head. If no annular preventer is used, ram blocks will be changed to match the outside diameter of casing and the stack will be retested prior to running any casing string.

Connections – All components on the stack and choke and kill lines shall have either flanged, studded, clamp hub or equivalent proprietary connections except control line outlets and pressure gauges.

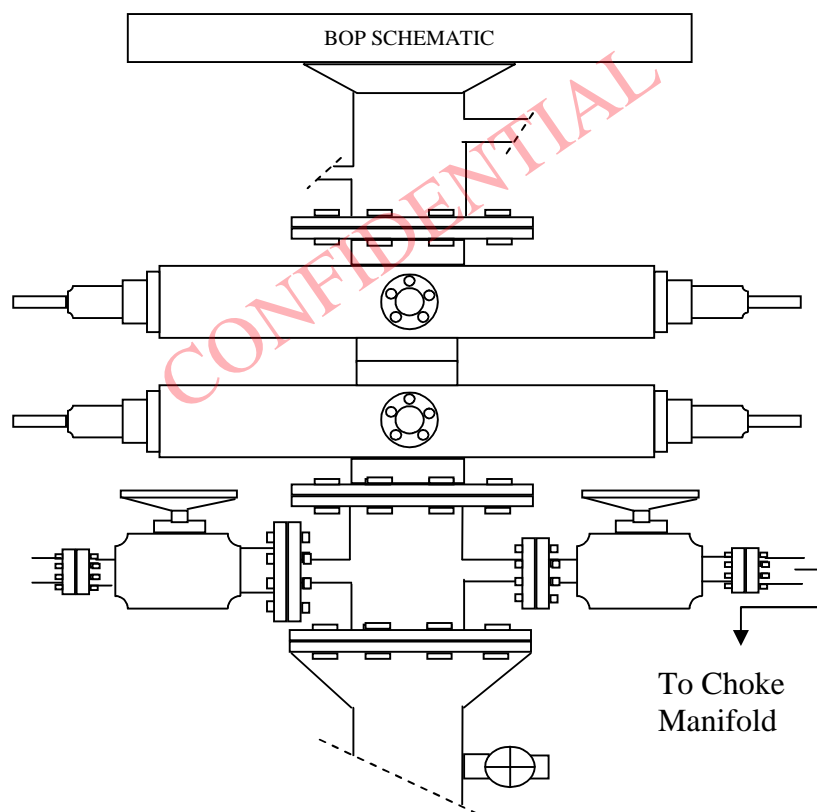
Choke Manifold – The minimum equipment requirements are shown below. The choke manifold shall be located at least 5 feet from the BOP stack, outside the substructure.

Pressure Monitoring – A means of monitoring the inlet pressure of the choke manifold shall be provided. The capability to isolate this outlet shall be provided.

Drill String Control Devices – An upper and lower Kelly valve, drill string safety valve, including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drill string valves shall be rated to the required BOP working pressure.

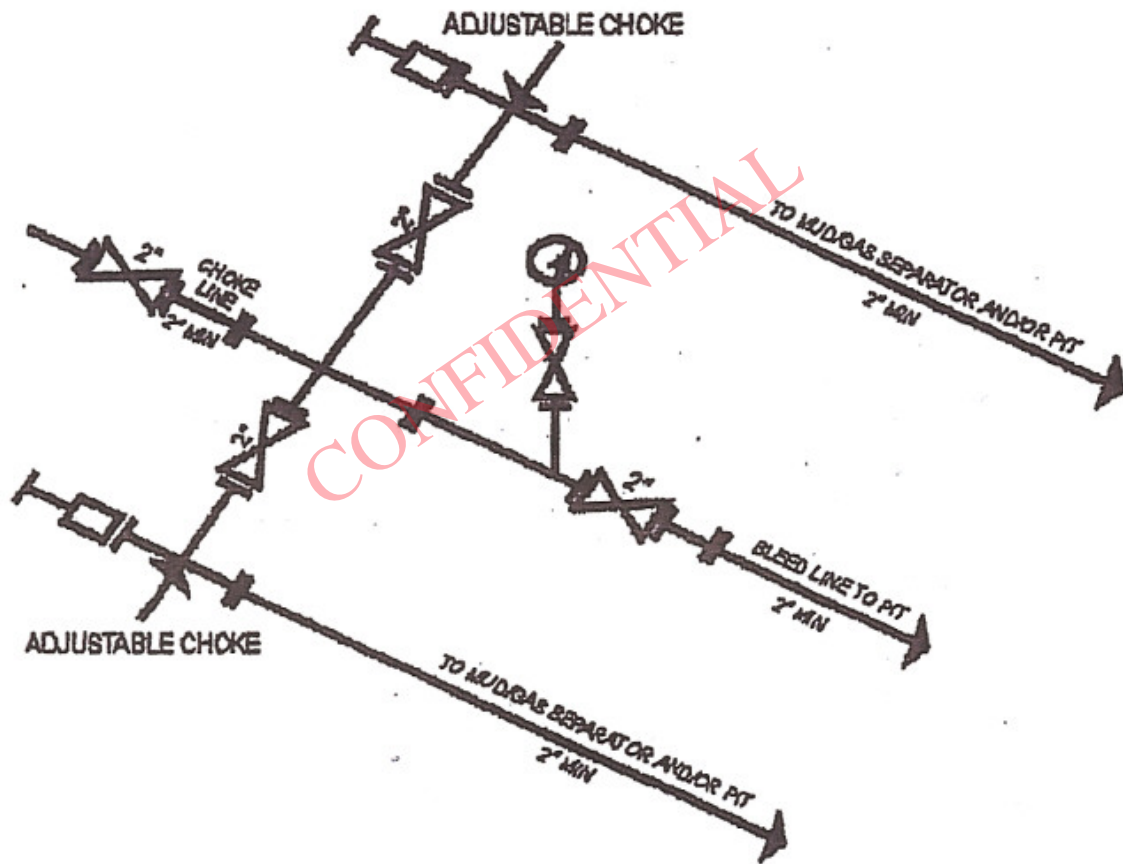
The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 (BLM) for equipment and testing requirements, procedures, etc., for a 2000 psi system, and individual components shall be operable as designed.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling.



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2000 psi Choke Manifold



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8. TESTING, LOGGING AND CORING PROGRAMS

a. Logging Program:

FDC/CNL/GR/DLL:

TD – 3,200'

CBL: A cement bond log will be run from TD to the cement top of the production casing.

Note: The log types run may change at the discretion of the geologist.

b. Cores: As deemed necessary

c. Drill Stem Tests: No DSTs are planned in the Green River

Drill stem tests, if they are run, will adhere to the following requirements: Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the Authorized Officer (AO). However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DSTs may be performed day or night.

Some means of reverse circulation shall be provided in case of flow to the surface showing evidence of hydrocarbons.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

If a DST is performed, all engines within 100 feet of the wellbore that are required to be operational during the test shall have spark arresters or water-cooled exhausts.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE

No abnormal pressures or temperatures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottom hole pressure will be fresh water gradient, i.e., 0.433 psi/foot of depth.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Anticipated Commencement Date:

Upon approval of the site specific APD

Drilling Days:

Approximately 7

Completion Days:

Approximately 10-14

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11. CONTACT INFORMATION:

Rocky Mountain Permitting, LLC
Terry L. Hoffman/Permitting Agent
303.250.0619 Office/Cell
303.412.8212 Fax
tlhoffman@q.com

Please use the above mentioned contact for any questions or concerns regarding the Form 3 Application for Permit to Drill, Drilling Plan or scheduling the onsite inspection. If the above mentioned contact is not available you may reach the following person:

Harvest (US) Holding, Inc.
Joe Schmid
Uintah Drilling & Production Superintendent
435.725.1901 Office
832.794.6019 Cell
jschmidharvestnr.com

T4S, R2W, U.S.B.&M.

HARVEST (US) HOLDINGS, INC.

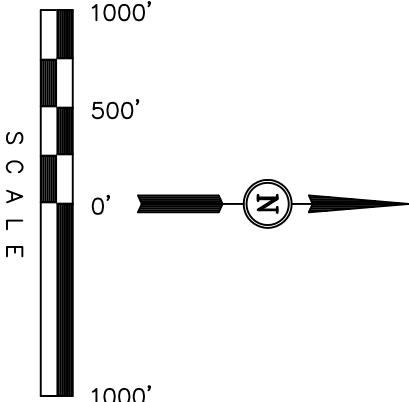
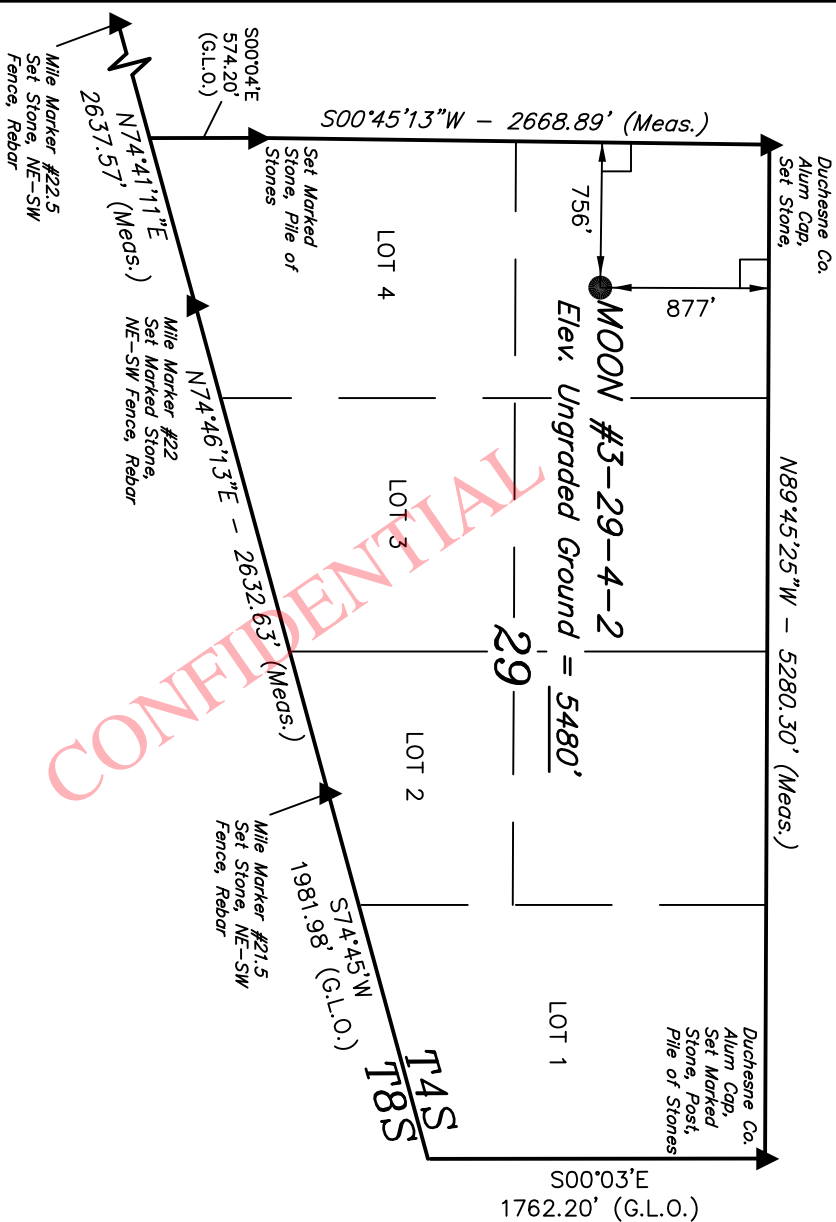
Well location, MOON #3-29-4-2, located as shown in the NW 1/4 NW 1/4 of Section 29, T4S, R2W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK US2 LOCATED IN THE SW 1/4 OF SECTION 29, T4S, R2W, U.S.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHEсне COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5508 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 11-11-08

UINTAH ENGINEERING & LAND SURVEYING

86 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

LEGEND:

— = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°06'39.01" (40.110836)

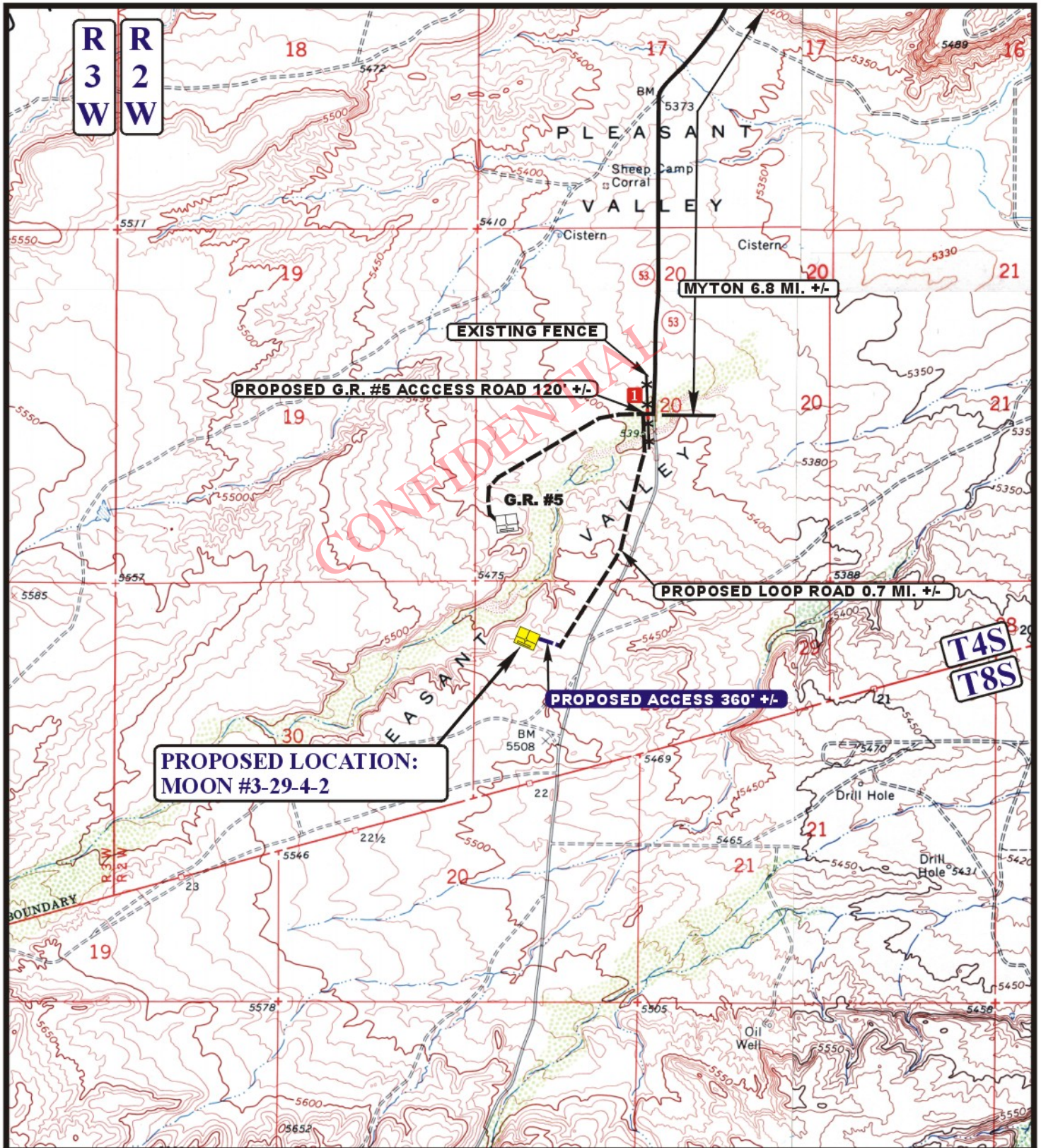
LONGITUDE = 110°08'23.73" (110.139925)

(NAD 27)

LATITUDE = 40°06'39.15" (40.110875)

LONGITUDE = 110°08'21.18" (110.139217)

SCALE	1" = 1000'	DATE SURVEYED:	10-08-08	DATE DRAWN:	10-22-08
PARTY	B.B. K.D. L.K.	REFERENCES	G.L.O. PLAT		
WEATHER	COOL	FILE	HARVEST (US) HOLDINGS, INC.		



LEGEND:

- EXISTING ROAD
- - - PROPOSED ACCESS ROAD
- * * * EXISTING FENCE
- 1 CATTLE GUARD REQUIRED



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



HARVEST (US) HOLDINGS, INC.

MOON #3-29-4-2
SECTION 20, T4S, R2W, U.S.B.&M.
877' FNL 756' FWL

TOPOGRAPHIC
MAP

10 20 08
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.H. REVISED: 11-11-08

B
TOPO

MEMORANDUM OF SURFACE DAMAGE RELEASE

State of Utah)(
)(
County of Duchesne)(

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For Ten Dollars (\$10.00) and other adequate consideration, **Todd Rumund Moon and Dennis Russell Moon of RR 3 Box 3622, Myton, UT 84052-9732**, hereafter referred to as "Surface Owner" has granted, a Surface Damage Release, to **Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077**, hereafter referred to as "Harvest", dated **November 28th, 2008** for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from Oil & Gas Well on the following lands (the "Lands") in Duchesne County Utah:

Section 20 and Section 29, Township 4 South-Range 2 West, USM, Duchesne County.
See attached Plat for well locations:

<u>Plat well #</u>	<u>Well Name</u>	<u>Location</u>
1	Moon #1-29-4-2	Center 1st 4 (SWNW) Section 29
3	Moon #3-29-4-2	Center NWNW Section 29
5	Moon #1-20-4-2	Center SWSW Section 20
7	Moon #3-20-4-2	Center NWSW Section 20

The Surface Damage Release is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Damage Release.

SURFACE OWNER:
Todd Rumund Moon
Todd Rumund Moon
Dennis Russell Moon
Dennis Russell Moon

ACKNOWLEDGEMENT

STATE OF UTAH)
) SS
COUNTY OF Duchesne)

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 28th day of November, 2008, personally appeared **Todd Rumund Moon and Dennis Russell Moon**, both to me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

Stephen Potter
Notary Public

My Commission Expires: 10/20/2012



December 4, 2008

Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RE: Designation of Agent

To Whom It May Concern:

By this letter, Harvest (US) Holdings, Inc. hereby authorizes Terry L. Hoffman with Rocky Mountain Permitting, LLC to act as Agent on behalf of Harvest (US) Holdings, Inc. within the State of Utah. Rocky Mountain Permitting, LLC is authorized to enter into agreements on behalf of Harvest (US) Holdings, Inc. with Federal, State and Local agencies and they shall have the ability to deliver and receive proprietary information for Harvest (US) Holdings, Inc.

If you have any questions or concerns, please feel free to contact myself Joe Schmid at 435.725.1901, or via email at jschmid@harvestnr.com.

I thank you in advance for your cooperation.

Sincerely yours,

HARVEST (US) HOLDINGS, INC.

Joe Schmid
Uintah Drilling & Production Superintendant

cc: Joe Schmid
Rocky Mountain Permitting

API Number: 4301350005

Well Name: Moon 3-29-4-2

Township 04.0 S Range 02.0 W Section 29

Meridian: UBM

Operator: HARVEST (US) HOLDINGS, INC

Map Prepared:
Map Produced by Diana Mason

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

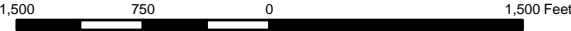
- ACTIVE
- COMBINED
- Sections
- Township

Wells Query Events

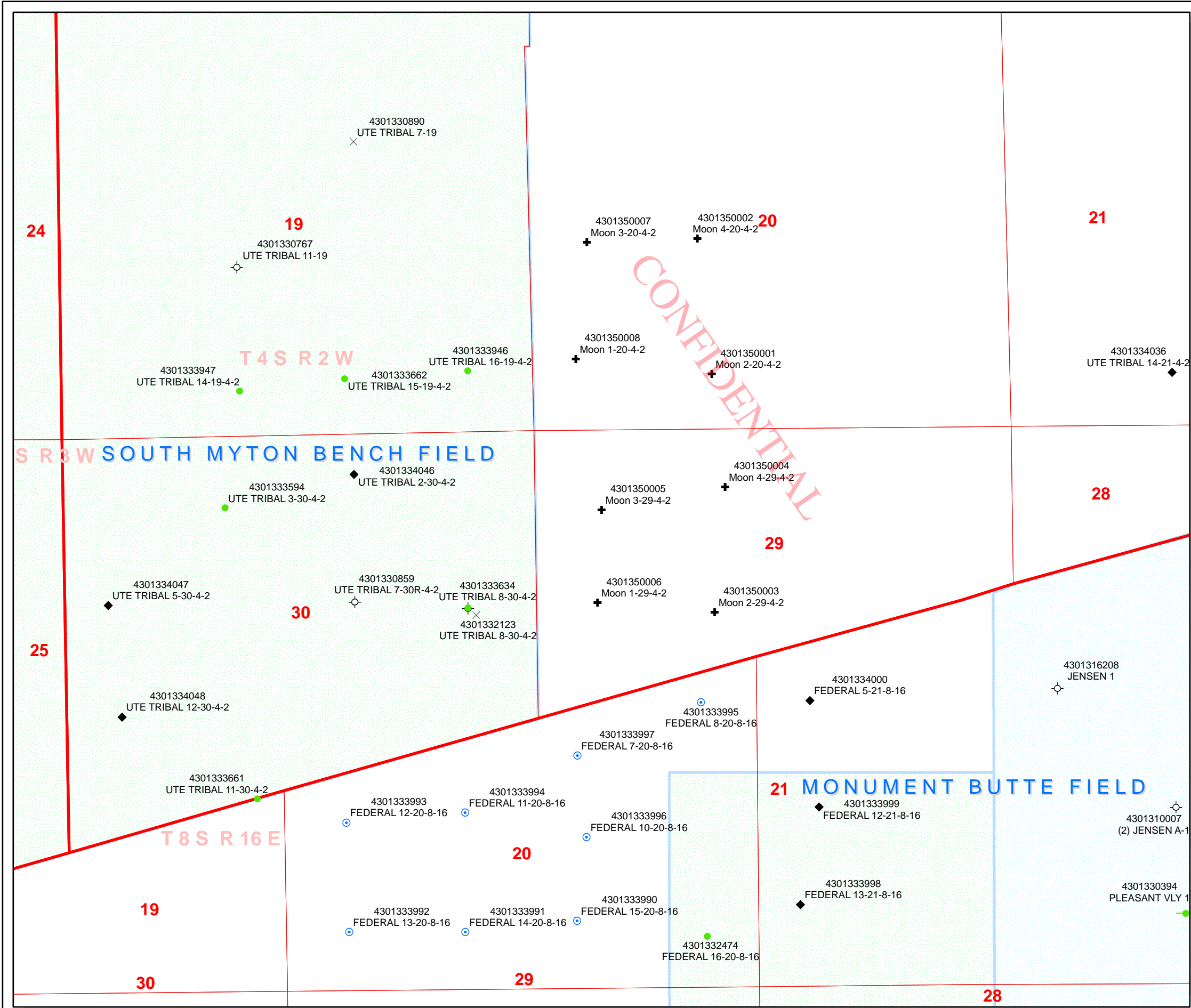
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- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WD
- WI
- WS



1:13,661



Well Name	HARVEST (US) HOLDINGS, INC Moon 3-29-4-2 43013500050000			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	600	6600		
Previous Shoe Setting Depth (TVD)	0	600		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2858	8.3		

Calculations	Surf String	8.625	"
Max BPH (psi)	.052*Setting Depth*MW=	259	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	187	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	127	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	127	NO Reasonable depth, common in area, no expected pressures
Required Casing/BOPE Test Pressure=		600	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

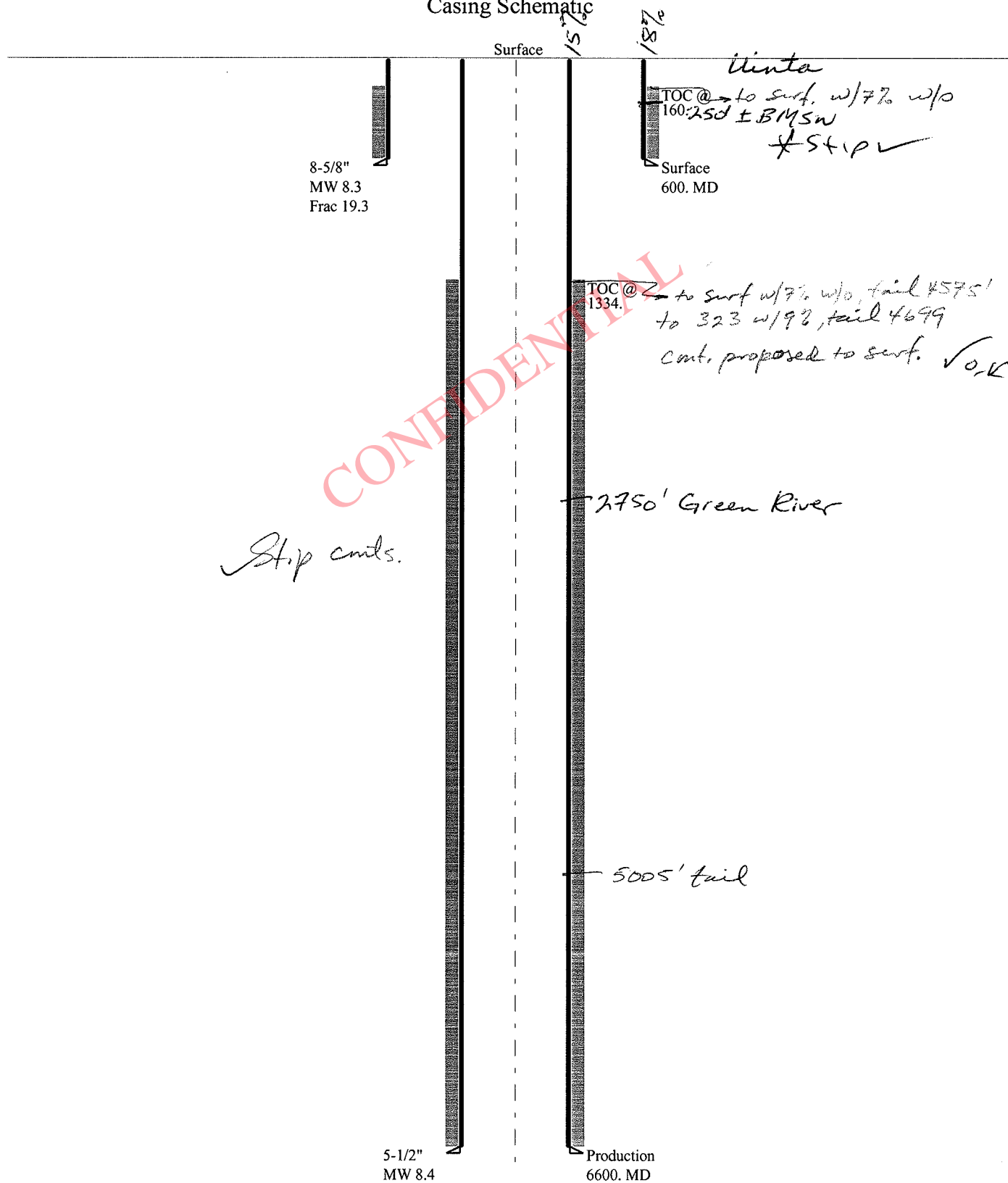
Calculations	Prod String	5.500	"
Max BPH (psi)	.052*Setting Depth*MW=	2883	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2091	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1431	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1563	NO Reasonable, common in area, note max allowed pressure
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43013500050000 Moon 3-29-4-2

Casing Schematic



Well name:	43013500050000 Moon 3-29-4-2		
Operator:	HARVEST (US) HOLDINGS, INC		
String type:	Production	Project ID:	43-013-50005
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 166 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: 1,334 ft

Burst

Max anticipated surface pressure: 1,428 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,880 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Non-directional string.

Tension is based on air weight.

Neutral point: 5,761 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6600	5.5	15.50	J-55	LT&C	6600	6600	4.825	23304

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2880	4040	1.403	2880	4810	1.67	102.3	217	2.12 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: March 3, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6600 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013500050000 Moon 3-29-4-2	
Operator:	HARVEST (US) HOLDINGS, INC	
String type:	Surface	Project ID: 43-013-50005
Location:	DUCHESNE COUNTY	

Design parameters:

Collapse

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 82 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 160 ft

Burst

Max anticipated surface pressure: 528 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 600 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 525 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,600 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,880 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 600 ft
Injection pressure: 600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	600	8.625	24.00	J-55	ST&C	600	600	7.972	3089

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	259	1370	5.296	600	2950	4.92	14.4	244	16.94 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: March 3, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator	HARVEST (US) HOLDINGS, INC				
Well Name	Moon 3-29-4-2				
API Number	43013500050000	APD No	1243	Field/Unit	UNDESIGNATED
Location: 1/4,1/4	NWNW	Sec	29	Tw	4.0S
		Rng	2.0W		877 FNL 756 FWL
GPS Coord (UTM)	573363	4440206	Surface Owner	Todd Moon & Dennis Moon	

Participants

Floyd Bartlett (DOGM), Joseph Schmid (Harvest Holdings Drilling/ Production Superintendent) and Terry Hoffman (Rocky Mountain Permitting, LLC; Agent for Harvest Holdings. INC)

Regional/Local Setting & Topography

Amended APD (10-21-2009). Harvest (US) Holdings, INC has entered into an agreement with Newfield Production Company to Drill and operate this well. Newfield will complete the drilling using an open mud circulation system with a reserve pit. The Location Layout sheet is amended to include a reserve pit 40' x 80' x 8' deep located 34 feet south of the well-head. The pit will be lined with a 16-mil liner and a felt sub-liner as needed to cushion the liner.

The general area is approximately 7 road miles southwest of Myton, Duchesne County, UT in the middle Pleasant Valley Wash area. Pleasant Valley Wash is an ephemeral drainage, which joins Pariette Draw drainage. The drainage shows no signs of recent significant flows. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 11 miles downstream from the location. The area is above the agricultural lands of Pleasant Valley. Broad flats intersected by swales with gentle to moderate side slopes characterize topography. Access is by State and County and planned oil field development roads. Approximately 360 feet of new construction extending from the proposed loop road across Moon's private land will be required to reach the location.

The proposed Moon 3-29-4-2 oil well location is approximately 1/8 mile west of the Nine Mile Road. It is planned on the northeast edge of a flat which drops off into gentle draws which join beyond the location to the northwest and northeast. The large flat continues to the southwest. No drainages intersect the location and no diversions are needed. A berm is planned around the edge of the pad. No springs, streams, seeps or ponds are known to exist in the immediate area. The selected site appears to be a good location for constructing a pad, drilling and operating a well.

Todd and Russell Moon own the surface of the location. The minerals are also privately owned. Mr. Russell Moon was invited to the pre-site visit but said he would not attend. A signed landowner agreement exists.

The well will be drilled using a closed loop mud circulating system.

Surface Use Plan

Current Surface Use

Grazing
Wildlife Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.015	Width 250 Length 315	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Vegetation on the area is a desert shrub type. Approximately 4 inches of snow covered most of the site. Identifiable vegetation included halogeton, horsebrush, broom snakeweed, dead sagebrush, cheatgrass, , Indian ricegrass, globe mallow, mat saltbrush, shadscale, curly mesquite, rabbit brush and spring annuals.

Antelope, deer, prairie dogs, small mammals and birds.

Soil Type and Characteristics

Deep sandy gravely loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potential Observed?** **Cultural Survey Run?** N **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	30
		1 Sensitivity Level

Characteristics / Requirements

Amended APD (10-21-2009). Harvest (US) Holdings, INC has entered into an agreement with Newfield Production Company to Drill and operate this well. Newfield will complete the drilling using an open mud circulation system with a reserve pit. The Location Layout sheet is amended to include a reserve pit 40' x 80' x 8' deep located 34 feet south of the well-head. The pit will be lined with a 16-mil liner and a felt sub-liner as needed to cushion the liner.

Closed Loop Mud Required? N Liner Required? N Liner Thickness 16 Pit Underlayment Required?

Other Observations / Comments

Amended 10/21/2009. Changed to use an open-loop mud circulation system with a reserve pit.

Floyd Bartlett
Evaluator

1/15/2009
Date / Time

CONFIDENTIAL

Application for Permit to Drill Statement of Basis

10/29/2009

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
1243	43013500050000	LOCKED	OW	P	No
Operator	HARVEST (US) HOLDINGS, INC		Surface Owner-APD	Todd Moon & Dennis Moon	
Well Name	Moon 3-29-4-2		Unit		
Field	UNDESIGNATED		Type of Work	DRILL	
Location	NWNW 29 4S 2W U 877 FNL 756 FWL GPS Coord (UTM) 573352E 4440202N				

Geologic Statement of Basis

Harvest proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 250'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed surface casing and cement should adequately protect usable ground water in the area.

Brad Hill
APD Evaluator

1/22/2009
Date / Time

Surface Statement of Basis

Amended APD (10-21-2009). Harvest (US) Holdings, INC has entered into an agreement with Newfield Production Company to Drill and operate this well. Newfield will complete the drilling using an open mud circulation system with a reserve pit. The Location Layout sheet is amended to include a reserve pit 40' x 80' x 8' deep located 34 feet south of the well-head. The pit will be lined with a 16-mil liner and a felt sub-liner as needed to cushion the liner.

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The proposed Moon 3-29-4-2 oil well location is approximately 1/8 mile west of the Nine Mile Road. It is planned on the northeast edge of a flat which drops off into gentle draws which join beyond the location to the northwest and northeast. The large flat continues to the southwest. No drainages intersect the location and no diversions are needed. A berm is planned around the edge of the pad. No springs, streams, seeps or ponds are known to exist in the immediate area. The selected site appears to be a good location for constructing a pad, drilling and operating a well.

Todd and Russell Moon own the surface of the location. The minerals are also privately owned. Mr. Russell Moon was invited to the pre-site visit but said he would not attend. A signed landowner agreement exists.

Floyd Bartlett
Onsite Evaluator

1/15/2009
Date / Time

Application for Permit to Drill Statement of Basis

10/29/2009

Utah Division of Oil, Gas and Mining

Page 2

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner as needed shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

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**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/29/2008

API NO. ASSIGNED: 43013500050000

WELL NAME: Moon 3-29-4-2

OPERATOR: HARVEST (US) HOLDINGS, INC (N3520)

PHONE NUMBER: 303 250-0619

CONTACT: Terry Hoffman

PROPOSED LOCATION: NWNW 29 040S 020W

Permit Tech Review: ☒

SURFACE: 0877 FNL 0756 FWL

Engineering Review: ☒

BOTTOM: 0877 FNL 0756 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.11082

LONGITUDE: -110.13931

UTM SURF EASTINGS: 573352.00

NORTHINGS: 4440202.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ **PLAT**

☒ **Bond:** STATE/FEE - B004657

☐ **Potash**

☐ **Oil Shale 190-5**

☐ **Oil Shale 190-3**

☐ **Oil Shale 190-13**

☒ **Water Permit:** Neil Moon Pond

☐ **RDCC Review:**

☒ **Fee Surface Agreement**

☐ **Intent to Commingle**

Commingle Approved

LOCATION AND SITING:

☐ **R649-2-3.**

Unit:

☐ **R649-3-2. General**

☐ **R649-3-3. Exception**

☒ **Drilling Unit**

Board Cause No: Cause 266-01

Effective Date: 5/5/2009

Siting: 460' fr drl u bdry & 920' fr other wells

☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
25 - Surface Casing - hmadonald



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Moon 3-29-4-2
API Well Number: 43013500050000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 10/29/2009

Issued to:

HARVEST (US) HOLDINGS, INC, 1177 Enclave Parkway, Houston, TX 77077

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 266-01. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
- OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-942-0871 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

10/30/2009

FROM: (Old Operator):

N3520-Harvest (US) Holdings, Inc.
 1177 Enclave Pkwy, Suite 300
 Houston, TX 77077
 Phone: 1 (281) 899-5704

TO: (New Operator):

N2695-Newfield Production Company
 1001 17th St, Suite 2000
 Denver, CO 80202
 Phone: 1 (303) 893-0102

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
Moon 2-20-4-2	20	040S	020W	4301350001		Fee	OW	APD	C
Moon 4-20-4-2	20	040S	020W	4301350002		Fee	OW	APD	C
Moon 2-29-4-2	29	040S	020W	4301350003		Fee	OW	APD	C
Moon 4-29-4-2	29	040S	020W	4301350004		Fee	OW	APD	C
Moon 3-29-4-2	29	040S	020W	4301350005		Fee	OW	APD	C
Moon 1-29-4-2	29	040S	020W	4301350006	99999	Fee	OW	DRL	C
Moon 3-20-4-2	20	040S	020W	4301350007		Fee	OW	APD	C
Moon 1-20-4-2	20	040S	020W	4301350008		Fee	OW	APD	C

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on 11/2/2009
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 11/2/2009
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 11/9/2007
- 4a. Is the new operator registered in the State of Utah: yes Business Number: 755627-0143
- 4b. If **NO**, the operator was contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete or: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 11/5/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/5/2009
- Bond information entered in RBDMS on: 11/5/2009
- Fee/State wells attached to bond in RBDMS on: 11/5/2009
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: 11/5/2009

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- 2a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number B001834
- 2b. The **FORMER** operator has requested a release of liability from their bond (n/a)
 The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 11/10/2009

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: Newfield Production Company N2695		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 17th St. Suite 2000 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 877 FNL 756 FWL		8. WELL NAME and NUMBER: Moon 3-29-4-2
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 29 4S 2W S		9. API NUMBER: 4301350005
COUNTY: Duchesne		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Change of Operator
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change of Operator from Harvest (US) Holdings, Inc to Newfield Production Company (WYB000493) B001834 ER

Harvest (US) Holdings, Inc. N3520

Patrick R. Oenbring

Date: 10/28/09

Printed Name: Patrick R. Oenbring
Title: VP - Western Operations

NAME (PLEASE PRINT) Kelly Donohoue	TITLE Newfield Production Company, Land Lead
SIGNATURE <i>Kelly Donohoue</i>	DATE 10/30/09

(This space for State use only)

APPROVED 11/05/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

NOV 02 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	Moon 3-29-4-2
API number:	4301350005
Location:	Qtr-Qtr: NWNW Section: 29 Township: 4S Range: 2W
Company that filed original application:	Harvest (US) Holdings, Inc
Date original permit was issued:	
Company that permit was issued to:	Harvest (US) Holdings, Inc

Check one	Desired Action:
<input checked="" type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?		<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. B004057 1834 <i>EX</i>	<input checked="" type="checkbox"/>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Kelly Donohoue Title Newfield Production Company, Land Lead
Signature *Kelly Donohoue* Date 10/30/09
Representing (company name) _____

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

RECEIVED

NOV 02 2009

CONFIDENTIAL

^{Spud}
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross # 21 Submitted
By Xabier Lasa Phone Number 435-823-6014
Well Name/Number Moon 3-29-4-2
Qtr/Qtr NW/NW Section 29 Township 4S Range 2W
Lease Serial Number Fee
API Number 43-013-500050000

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 11-12-09 10:00
AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 11-12-09 5:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time AM ☐ PM ☐

Remarks Spud With Ross Rig #21 @10:00 am On 11/12/09 Run
8 5/8" Casing @ 5:00 pm on 11/12/09.

-

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: Moon 3-29-4-2			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0877 FNL 0756 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 29 Township: 04.0S Range: 02.0W Meridian: U		9. API NUMBER: 43013500050000			
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED			
COUNTY: DUCHESNE		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/17/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 11/12/09 MIRU Ross rig #21. Spud well @ 12:00 pm. Drilled 660' of 12 1/4' hole with air mist. The drill bit twisted off and was not able to be retrieved out of the hole. With State approval Newfield proposes to cement the 12 1/4' hole with class 'G' cement. The 12 14" hole will be cemented from TD to surface. Newfield proposes to skid over 10'. The new name of the well will be the Moon 3A-29-4-2.					
NAME (PLEASE PRINT) Mandie Crozier		PHONE NUMBER 435 646-4825			
SIGNATURE N/A		TITLE Regulatory Tech DATE 11/17/2009			

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

Date: November 18, 2009
By: *Mandie Crozier*



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013500050000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations.
Please call Dan Jarvis at 801-538-5338.**
- 2. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 3. If there are any changes to the plugging procedure or the wellbore configuration,
notify Dustin Doucet at 801-538-5281 (Office) or 801-733-0983 (Home) prior to
continuing with the procedure.**
- 4. All other requirements for notice and reporting in the Oil and Gas Conservation
General Rules shall apply.**

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: November 18, 2009
By: Dustin Doucet

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: Moon 3-29-4-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0877 FNL 0756 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 29 Township: 04.0S Range: 02.0W Meridian: U		9. API NUMBER: 43013500050000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: UNDESIGNATED
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/19/2009	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input checked="" type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 11/19/09 pick up 435' of 1' pipe and pump 360 bbls Class 'G' neat cement 15.6# 1.18 yield. 2 bbls of cement was returned to pit. Placed a dry hole marker 3 1/2' below ground level. Dennis Ingram with the State of Utah was present for P&A.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 23, 2009		
NAME (PLEASE PRINT) Mandie Crozier	PHONE NUMBER 435 646-4825	TITLE Regulatory Tech
SIGNATURE N/A	DATE 11/20/2009	

CONFIDENTIAL

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

FEE

6. If Indian, Allottee or Tribe Name

NA

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

Moon 3-29-4-2

9. AFI Well No.

43-013-50005

10. Field and Pool or Exploratory
Undesignated11. Sec., T., R., M., on Block and
Survey or Area
SEC. 20, T4S, R1W

12. County or Parish

DUCHESENE

13. State

UT

17. Elevations (DF, RKB, RT, GL)*

5480' GL 5492' KB

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: P & A2. Name of Operator
NEWFIELD EXPLORATION COMPANY3. Address
1401 17TH ST. SUITE 1000 DENVER, CO 802023a. Phone No. (include area code)
(435)646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 877' FNL & 756' FWL (NW/NW) SEC. 20, T4S, R1W

At top prod. interval reported below

At total depth 660'

14. Date Spudded
11/12/200915. Date T.D. Reached
11/12/200916. Date Completed 11/19/09
☐ D & A ☐ Ready to Prod.18. Total Depth: MD 660'
TVD 660'19. Plug Back T.D.: MD 660'
TVD20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"				660'		360 CLASS G		Surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)						
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
S1			→					P & A	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
S1			→						

RECEIVED

NOV 23 2009

*(See instructions and spaces for additional data on page 2)

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Lucy Chavez-NaupotoTitle Administrative AssistantSignature Date 11/23/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)